

## **Bachelor of Science in Agriculture Horticulture**

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Horticulture is a diverse field offering job opportunities in many areas within ornamental horticulture, food production, landscape horticulture, public gardens, floral design, healthcare and the golf industry. Murray State University offers training in all aspects of horticulture.

### **Career Outlook**

The overall outlook for jobs in horticulture is very good. The broad training provided at Murray State University helps prepare the graduate for a variety of job opportunities. These include but are not limited to arboriculture, botanical gardens, floriculture, floral design, golf course management, interiorscaping, horticultural therapy, landscape design, landscape installation, landscape maintenance, olericulture, ornamental horticulture, pomology, nursery production, turf grass and zoos/theme parks.

### **Organizations**

#### **Horticulture Club**

- Promotes growth and science of horticulture by supporting teaching, research, and service activities in horticulture.
- Develops fellowship among its members through sponsorship of horticultural activities.
- Broadens the knowledge of the student members through programs, trips to horticultural Enterprises and other places of interest to the horticulturist.

**Visit Our Website**  
[www.murraystate.edu/agr](http://www.murraystate.edu/agr)

### **Facilities**

Hutson School of Agriculture facilities include classrooms, laboratories and offices housed in the south wing of the Oakley Applied Science Building, the A. Carman Animal Health Technology Center, the E.B. Howton Agricultural Engineering Building, the Agricultural Engineering Instructional Facility/Farm Shop and the Equine Instructional Facility.

The university also owns four farm complexes. The West Farm, North Farm and Pullen Farm Complexes are all located within a mile of MSU's main campus. These complexes are utilized for classes, contests, field days, judging contests, clinics and numerous agricultural activities.

The Pullen Farm Complex is of particular interest to students studying agronomy and horticulture. The farm was bequeathed to the university by the late Mrs. Mabel Garrett Pullen. It is used as an agronomy and horticulture research and teaching center. This center allows students to get practical experience and provides a unique opportunity to expand the study of horticulture at MSU.

### **For More Information Contact**

**Recruitment Coordinator**  
**Murray State University**  
**Hutson School of Agriculture**  
**(270) 809-3329**  
[msu.ag@murraystate.edu](mailto:msu.ag@murraystate.edu)

**MURRAY STATE UNIVERSITY  
HUTSON SCHOOL OF AGRICULTURE  
HORTICULTURE CURRICULUM  
2018-2019 CATALOG**

**GENERAL EDUCATION/UNIVERSITY STUDIES COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>ORAL &amp; WRITTEN COMMUNICATION</b>			<b>7 HRS</b>	
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	Intro. to Public Speaking	3	
<b>SCI. INQUIRY, METHOD, &amp; QUANT SKILLS</b>			<b>12 HRS</b>	
BIO	222	Botany	4	
CHE	105	Intro to Chemistry I	OR 4	
CHE	101	Consumer Chemistry		
MAT	140	College Algebra	4	
<b>WORLD HISTORICAL, LIT, &amp; PHIL TRAD</b>			<b>6 HRS</b>	
CIV	201	World Civilizations I	3	
HUM	211	Western Humanities Tradition	3	
<b>GLOBAL AWARE, CULT DIV, WORLD ARTISTIC</b>			<b>3 HRS</b>	
<b>Select One of the Following Courses</b>				
AGR	200	International Ag Experience		
AGR	353	World, Food & Ag		
SPA	106	Spanish for the Ag Industry	3	
<b>SOCIAL &amp; SELF AWARENESS</b>			<b>6 HRS</b>	
AGR	199	Contemporary Issues in Ag	3	
		Elective	3	
<b>UNIVERSITY STUDIES APPROVED ELECTIVES</b>			<b>6 HRS</b>	
CHE	210	Brief Organic Chem	3	
CHE	215	Organic Chem Lab	1	
GSC	199	Earth Science	4	
		Elective	2	
<b>40 HOURS OF UNIVERSITY STUDIES</b>				

**AGRICULTURE CURRICULUM COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>AGRICULTURE CORE COURSES</b>			<b>26 HRS</b>	
AGR	100T	Transitions (Freshmen Orientation)	1	
AGR	100	Animal Science	3	
AGR	130	Intro. to Agribusiness	3	
AGR	133	Field Applications for Ag	2	
AGR	160	Horticultural Science	OR 3	
AGR	240	Crop Science		
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	339	Computer Applications for Ag	3	
AGR	345	Soil Science	3	
AGR	399	Prof Dev Seminar I	OR 1	
AGR	499	Lead/Prof Dev Seminar II		
AGR	599	Ag Senior Capstone	1	
<b>HORTICULTURE OPTION COURSES</b>			<b>25 HRS</b>	
AGR	263	Woody Plant Materials I	2	
AGR	346	Soil Science Lab	1	
AGR	360	Greenhouse Prod & Mgt	3	
AGR	363	Woody Plant Materials II	2	
AGR	365	Herbaceous Plant Materials	2	
AGR	461	Plant Propagation	3	
AGR	361	Hort & Greenhouse Mgt	OR 3	
AGR	460	Professional Experience in Horticulture		
AGR	367	Residential Landscape Design	OR 3	
AGR	462	Fine Turf Management		
AGR	563	Arborealiculture		
AGR		Elective	3	
AGR		Elective	3	
<b>UNRESTRICTED ELECTIVES</b>			<b>29 HRS</b>	

**HORTICULTURE ELECTIVES**

AGR 361	Horticulture and Greenhouse Production and Management Practicum (3 Hrs)
AGR 362	Floral Design (3 Hrs)
AGR 364	Nursery Management (3 Hrs)
AGR 366	Horticultural Judging (1 Hr)
AGR 367	Residential Landscape Design (3 Hrs)
AGR 368	Landscape Construction (3 Hrs)
AGR 460	Professional Experience in Horticulture (3 Hrs)
AGR 462	Fine Turf Management (3 Hrs)
AGR 463	Horticultural Therapy (3 Hrs)
AGR 542	Plant Breeding (3 Hrs)
AGR 563	Arborealiculture (3 Hrs)
AGR 564	Public Garden Management (3 Hrs)
AGR 565	Public Garden Management Practicum (3 Hrs)
AGR 566	Advanced Greenhouse Management and Production (3 Hrs)
AGR 549	Weeds and Their Control (3 Hrs)
AGR 567	Advanced Landscape Design (3 Hrs)
AGR 569	Plants for Interior Design (2 Hrs)

In addition to the BSA in Horticulture, MSU does offer a Golf Course Management Minor that requires 21 hours of study. The program requires ACC 200, AGR 160, AGR 345, AGR 460, MGT 350, and three hours of electives selected from either AGR 462 or MGT 370. Six hours must be upper-level courses completed in residence at Murray State University.